

CLAIMS

1. A resin composition for a foam comprising:
a branched rubbery olefin based soft resin (C)
5 obtained by a kneading reaction of an organic peroxide
crosslinking type olefin based copolymer rubber (A) and an
organic peroxide decomposing type crystalline olefin resin
(B),
wherein the organic peroxide crosslinking type olefin
10 based copolymer rubber (A) is present as a continuous phase
as well as the organic peroxide decomposing type
crystalline olefin resin (B) is present as a discontinuous
phase in its microaggregation structure.
- 15 2. The resin composition for the foam according to claim
1, wherein a combined amount of the organic peroxide
crosslinking type olefin based copolymer rubber (A) is 60
parts by weight or more and less than 100 parts by weight
based on total 100 parts by weight of the organic peroxide
20 crosslinking type olefin based copolymer rubber (A) and the
organic peroxide decomposing type crystalline olefin resin
(B).
3. A foam obtained by foaming a branched rubbery olefin
25 based soft resin (C) obtained by a kneading reaction of an
organic peroxide crosslinking type olefin based copolymer
rubber (A) and an organic peroxide decomposing type
crystalline olefin resin (B),
wherein the organic peroxide crosslinking type olefin
30 based copolymer rubber (A) is present as a continuous phase
as well as the organic peroxide decomposing type
crystalline olefin resin (B) is present as a discontinuous
phase in its microaggregation structure.

4. The foam according to claim 3, wherein the combined amount of the organic peroxide crosslinking type olefin based copolymer rubber (A) is 60 parts by weight or more and less than 100 parts by weight based on total 100 parts by weight of the organic peroxide crosslinking type olefin based copolymer rubber (A) and the organic peroxide decomposing type crystalline olefin resin (B).

10 5. A method for producing a foam comprising:
a step of preparing a branched rubbery olefin based soft resin (C) obtained by kneading and reacting an organic peroxide crosslinking type olefin based copolymer rubber (A) and an organic peroxide decomposing type crystalline
15 olefin resin (B) in the presence of an organic peroxide, wherein the organic peroxide crosslinking type olefin based copolymer rubber (A) is present as a continuous phase as well as the organic peroxide decomposing type crystalline olefin resin (B) is present as a discontinuous phase in its
20 microaggregation structure; and
a step of foaming the rubbery olefin based soft resin (C).

6. The method for producing the foam according to claim 5,
25 wherein the combined amount of the organic peroxide crosslinking type olefin based copolymer rubber (A) is 60 parts by weight or more and less than 100 parts by weight based on total 100 parts by weight of the organic peroxide crosslinking type olefin based copolymer rubber (A) and the
30 organic peroxide decomposing type crystalline olefin resin (B).